



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1083154
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Plug Back Conv. to GSW Conv. to Producer
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

GPS Location: Lat: _____, Long: _____
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum: NAD27 NAD83 WGS84

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Vertical Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite:

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____

1083154

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input type="checkbox"/> No			
Electric Log Run	<input type="checkbox"/> Yes <input type="checkbox"/> No			
List All E. Logs Run:				

CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Did you perform a hydraulic fracturing treatment on this well? Yes No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR: _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

June 04, 2012

Leon Rodak
Murfin Drilling Co., Inc.
250 N WATER STE 300
WICHITA, KS 67202-1216

Re: ACO1
API 15-039-21148-00-00
Turtle Creek 1-30
NW/4 Sec.30-05S-30W
Decatur County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Leon Rodak

MDCI Turtle Creek #1-30 1380' FNL 1270' FWL Sec. 30-5S-30W 2946' KB							McCoy Petroleum Corp Cheney Trust 'A' #1-25 600' FSL & 1850' FWL Sec. 25-5S-31W 2934' KB	
Formation	Sample top	Datum	Ref	Log Top	Datum	Ref	Log Top	Datum
Anhydrite	2640	+306	-2	2644	+302	-6	2626	+308
B/Anhydrite	2678	+268	-2	2629	+267	-3	2664	+270
Topeka	3745	-799	-7	3746	-800	-8	3726	-792
Heebner	3913	-967	-5	3918	-972	-10	3896	-962
Lansing	3960	-1014	-5	3965	-1019	-10	3943	-1009
Stark	4132	-1186	-1	4136	-1190	-5	4119	-1185
BKC	4186	-1240	flat	4196	-1250	-10	4174	-1240
Pawnee	4295	-1349	+3	4296	-1350	+2	4286	-1352
Cherokee	4375	-1429	+4	4376	-1430	+3	4367	-1433
Mississippi	4500	-1554	+3	4500	-1554	+3	4491	-1557
RTD	4560						4525	
LTD				4569			4526	

Robert D. Hendrix

Petroleum Geologist

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **Murfin Drilling Co. Inc**

LEASE **Turtle Creek #1-30**

FIELD **Wildcat**

LOCATION **1380' FNL & 1270' F.W.L.**

SEC **30** TWP **S 5** RGE **30 W**

COUNTY **Decatur** STATE **Kansas**

CONTRACTOR **Murfin Drilling Rtg #8**

SPUD **3/25/2012** COMP **4/03/2012**

RTD **4:50'** LTD **4:569'**

MUD UP **3:255'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **2700** TO **RTD**

DRILLING TIME KEPT FROM **2770** TO **RTD**

SAMPLES EXAMINED FROM **2700** TO **RTD**

GEOLOGICAL SUPERVISION FROM **2900** TO **RTD**

GEOLOGIST ON WELL **Robert D. Hendrix**

FORMATION TOPS

ELECTRIC LOG

SAMPLE

Anhydrite 2644 (+302)

Topeka 3745 (-799)

Heebner Sh 3913 (-967)

Lansing 3967 (-1019)

BKC 4180 (-1234)

Pawnee 4292 (-1346)

Cherokee 4376 (-1430)

Mississippian 4500 (-1554)

ELEVATIONS

KB 2946'

DF

GL 2941'

Measurements Are All From **Kelly Bushing**

CASING

CONDUCTOR

SURFACE **8-5/8" at 262'**

PRODUCTION

None

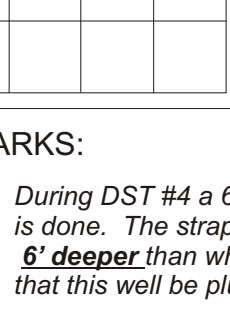
ELECTRICAL

SAMPLES

DIL / CN-CD

Micro / Sonic Log-Tech

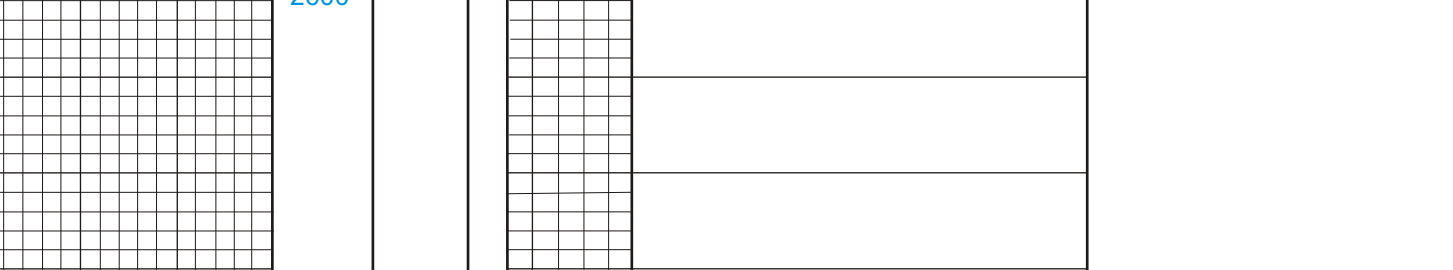
API# 15-0939-21148



REMARKS:

During DST #4 a 6' discrepancy was discovered in the collars as they are not measured when the strap is done. The strap originally 0.17' short to board. The entire log and all information below must be adjusted 6' deeper than what is currently reported below. All shows were tested with negative results. It was determined that this well be plugged and abandoned.

LEGEND



DEPTH	LITHOLOGY	Oil Shows	SAMPLE DESCRIPTION	REMARKS
2600	Anhydrite			Anhydrite 2640 (+301)
50				Base Anhydrite 2678 (+263)
3600				Geologist on location, 3552' 5:18am, 3/28/2012 -----8:00 am, 3/28/2012
50	Limestone: gray, f-mxln, fossiliferous, sl cherty, no vis por Shale: gray, dark gray Limestone: tan to gray, fxln, fossiliferous, granular, no vis por Shale: gray, green Limestone: tan, f-mxln, v- fossiliferous, no vis por Shale: gray, red green Limestone: gray, fxln, fossiliferous, sl cherty, no vis por			wt 8.9, vis 53, lcm 12 Morgan Mud, Cade Lines
3700			Shale: gray, red Limestone: gray, f-mxln, granular, sl glauconitic, sl cherty, no vis por Shale: gray Limestone: gray to tan, fxln, granular, sl oolitic, no vis por Shale: red, gray	
50			Limestone: gray to tan, fxln, granular, sl chalky, fossiliferous, no vis por Shale: gray, dark gray, red, black Limestone: gray, fxln, granular, hard, no vis por Shale: gray, red, black	Topeka 3745 (-799)
3800			Limestone: gray to white, fxln, sandy, sl fossiliferous, no vis por Shale: gray Limestone: white to tan, mxln, sl oolitic, chalky, sl fossiliferous, pr interxln to fr pp por, NS Limestone: white to tan, fxln, fossiliferous, no vis por Shale: red, dark gray	
50			Limestone: tan, fxln, chalky, fossiliferous, sandy, fr interxln por, NS Shale: gray, red, brown Limestone: tan to white to sl lt green, fxln, sl chalky, fossiliferous, no vis por Shale: gray, green, red, limestone, tan, fxln, chalky, granular, fossiliferous, fr interxln por, NS Shale: red, gray Limestone: tan to gray, mxln, chalky, oolitic, no vis por Shale: gray, black Limestone: tan to white, fxln, sl chalky, sl cherty, fossiliferous, no vis por	DST #1 3911-3995 30-60-30-60 1st open: wk surface blow 2nd open: wk surface blow Recovery: 220' mud Hydro: 1957-1915# IF: 20-B8# FF: 92-119# SIP: 1189-1173# BHT: 115"
3900			Shale: black, carbonaceous Limestone: brown, fxln, sl fossiliferous, no vis por Shale: gray, green Shale: red, gray, green, brown, silty, hard Limestone: white, fxln, sl chalky, sl cherty, granular, fossiliferous, pr vug por, gd tarry dark stain, v-slsfo	Heebner 3913 (-967)
50		①	Shale: dark gray, green, red Limestone: white, fxln, sl fossiliferous, no vis por, scattered black spotty stain, nfo, no odor Shale: red, gray, green, black	Lansing 3491 (-946)
4000			Limestone: white, mxln, fossiliferous, pr interxln por, gd black spotty stain, slsfo, no odor, oily sheen Shale: gray, green Limestone: white, fxln, cherty, sl pyritic, fr interxln por, scattered dark stain, nfo, no odor Shale: gray, red Limestone: tan to brown, fxln, fossiliferous, sl interxln por, scattered dark edge stain, nfo, no odor Shale: gray, brown Limestone: white to tan, fxln, sl cherty, sl fossiliferous, no vis por, 1% light to dark stain, nfo, no odor Shale: red, gray, black	-----8:00 am, 3/29/2012 Wt 8.9, vis 60, lcm 10 Morgan Mud, Dave Lines
50		②	Limestone: white, fxln, pyritic, fossiliferous, no vis por, 2 pieces dark stain, nfo, no odor Limestone: white, fxln, cherty (orange), fossiliferous, pr interxln por, ns Shale: gray, black Limestone: tan to brown, fxln, fossiliferous, no vis por Shale: gray, red, brown Limestone: white to tan, fxln, chalky, sl cherty, fossiliferous, sl interxln por, ns	-----8:00 am, 3/30/2012 Wt 9.0, vis 54, lcm 10 Morgan Mud, Dave Lines
4100		③	Shale: red, gray, green, black Shale: gray, red Limestone: tan to white, fxln, sl chalky, sl fossiliferous, pr pp por, dark spotty stain, slsfo, no odor Shale: black, red, gray	DST #2 4073- 4036 30-60-30-60 1st open: weak blow died at 17 min 2nd open: no blow Recovery: 5' mud with oil specks Hydro: 2018-1990# IF: 17-18# FF: 18-18# SIP: 47-39# BHT: 116"
50		④	Shale: red, gray, green, black Shale: gray, red Limestone: tan to white, fxln, sl chalky, sl fossiliferous, pr pp por, dark spotty stain, slsfo, no odor Shale: black, red, gray Shale: red, gray	Wt 9.0, vis 52, lcm 10 Morgan Mud, Dave Lines -----8:00 am, 3/31/2012
4200			Shale: red, gray Limestone: tan to gray, fxln, sl chalky, sl fossiliferous, spotted dark stain, sl sfo on break no odor, no vis por Shale: gray, red, black Shale: gray, red, dark gray Limestone: white, fxln, fossiliferous, no vis por, ns Shale: gray, brown silty	Stark 4126 (-1180) DST #4 4120-4178 30-60-30-60 1st open: wk blow died 20 min 2nd open: no blow Recovery: 4' mud Hydro: 2094-2016# IF: 22-26# FF: 119-1109# SIP: 1119-1109# BHT: 117"
50			Limestone: white, fxln, fossiliferous, no vis por, ns Shale: gray, brown silty Limestone: white, fxln, no vis por Limestone: gray, fxln, hard, sl fossiliferous, no vis por Shale: gray, hard Shale: black, gray, brown, red, green Shale: red, gray, green	Wt 9.1, vis 56, lcm 10 Morgan Mud, Dave Lines -----8:00 am, 4/01/2012
4300			Limestone: white to tan, fxln, fossiliferous, no vis por, ns Shale: gray, brown, red Shale: gray, red Limestone: lt gray, fxln, sl chalky, sl fossiliferous, sl pyritic, no vis por Shale: black, carbonaceous Shale: gray, red, green Limestone: tan to white, fxln, fossiliferous, no vis por Limestone: tan to white, fxln, sl chalky, sl fossiliferous, oolitic in part, no vis por, ns	BKC 4180 (-1234)
50			Shale: gray, red Shale: black, carbonaceous Shale: gray, red, green Limestone: tan to white, fxln, fossiliferous, no vis por, ns Limestone: tan to white, fxln, sl chalky, sl fossiliferous, oolitic in part, no vis por, ns	Pawnee 4292 (-1346) DST #5 4368-4400 30-60-30-60 1st open: weak blow built to 1/4" 2nd open: no blow Recovery: 63' mud strong hydrocarbon odor Hydro: 2301-2215# IF: 19-43# FF: 44-49# SIP: 442-262# BHT: 125"
4400		⑤	Shale: black, carbonaceous Shale: gray, red Sandstone: white to brown, fr-md grained, poorly sorted, sub-md, calcareous, no vis por, friable, dark flakey stain, nfo, no odor Shale: gray, red, green Limestone: tan to brown, fxln, fossiliferous, hard, no vis por, no fluorescence Shale: gray, red Sandstone: white to green, fr grain, well sorted, round, calcareous, no vis por, friable Shale: gray, red Sandstone: brown, fr-md grain, mod-well sorted, round, calcareous, no vis por, friable Shale: dark gray, red, sandy Shale: gray, red, sandy Sandstone: white, md-crs grain, mod sorted, sub-round, no vis por Shale: gray, red Sandstone: white, fr grain, well sorted, sub-round, sl calcareous, no vis por Shale: red, gray, black Shale: gray, red, black, green	-----8:00 am, 4/02/2012 Wt 9.2, vis 54, lcm 8 Morgan Mud, Dave Lines
4500			Chert: white, translucent, 60% fresh, 40% weathered, frosted on the edges, no vis por Chert: white to yellow, translucent / transparent, 80% fresh, 20% weathered, fossiliferous, no vis por Limestone: white, fxln, chalky, oolitic in part, v- cherty, no vis por Limestone: white, fxln, oolitic in part, v- cherty, fossiliferous, no vis por	Cherokee 4369 (-1423) DST #5 4368-4400 30-60-30-60 1st open: weak blow built to 1/4" 2nd open: no blow Recovery: 63' mud strong hydrocarbon odor Hydro: 2301-2215# IF: 19-43# FF: 44-49# SIP: 442-262# BHT: 125"
50			Chert: white to yellow, translucent / transparent, 80% fresh, 20% weathered, fossiliferous, no vis por Limestone: white, fxln, chalky, oolitic in part, v- cherty, no vis por Limestone: white, fxln, oolitic in part, v- cherty, fossiliferous, no vis por	-----8:00 am, 4/03/2012
4500			Chert: white, translucent, 60% fresh, 40% weathered, frosted on the edges, no vis por Chert: white to yellow, translucent / transparent, 80% fresh, 20% weathered, fossiliferous, no vis por Limestone: white, fxln, chalky, oolitic in part, v- cherty, no vis por Limestone: white, fxln, oolitic in part, v- cherty, fossiliferous, no vis por	Mississippian 4500 (-1554)



DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Robert Hendrix

Turtle Creek #1-30

30-5s-30w Decatur,KS

Start Date: 2012.03.29 @ 12:00:00

End Date: 2012.03.29 @ 19:20:00

Job Ticket #: 45592 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.05 @ 14:13:39



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

30-5s-30w Decatur, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45592 **DST#: 1**

Test Start: 2012.03.29 @ 12:00:00

GENERAL INFORMATION:

Formation: **Tor. LKC-A**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:19:30

Time Test Ended: 19:20:00

Test Type: Conventional Bottom Hole (Initial)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 3911.00 ft (KB) To 3995.00 ft (KB) (TVD)

Reference Elevations: 2946.00 ft (KB)

Total Depth: 3995.00 ft (KB) (TVD)

2941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6752 Inside

Press @ Run Depth: 118.76 psig @ 3927.60 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.29 End Date: 2012.03.29

Last Calib.: 2012.03.29

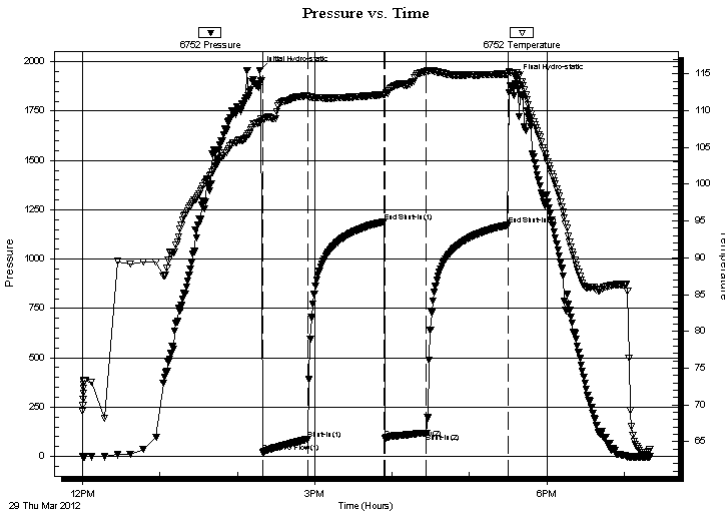
Start Time: 12:00:05 End Time: 19:19:59

Time On Btm: 2012.03.29 @ 14:17:30

Time Off Btm: 2012.03.29 @ 17:36:00

TEST COMMENT: IF: Weak surface blow over 30 mins.
IS: No blow back over 60 mins.
FF: Weak surface blow over 30 mins.
FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1956.65	108.42	Initial Hydro-static
2	19.53	108.58	Open To Flow (1)
37	87.59	111.92	Shut-In(1)
96	1189.06	112.18	End Shut-In(1)
97	91.77	112.14	Open To Flow (2)
129	118.76	115.26	Shut-In(2)
192	1172.86	114.97	End Shut-In(2)
199	1914.67	115.08	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
220.00	mud-100%m	1.36

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45592 **DST#: 1**
Test Start: 2012.03.29 @ 12:00:00

Tool Information

Drill Pipe:	Length: 3722.00 ft	Diameter: 3.80 inches	Volume: 52.21 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 189.00 ft	Diameter: 2.25 inches	Volume: 0.93 bbl	Weight to Pull Loose: 55000.00 lb
			<u>Total Volume: 53.14 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	28.00 ft			String Weight: Initial 50000.00 lb
Depth to Top Packer:	3911.00 ft			Final 50000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	83.48 ft			
Tool Length:	111.48 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			3888.00	
Hydraulic tool	5.00			3893.00	
Jars	5.00			3898.00	
Safety Joint	3.00			3901.00	
Packer	5.00			3906.00	28.00 Bottom Of Top Packer
Packer	5.00			3911.00	
Stubb	1.00			3912.00	
Perforations	15.00			3927.00	
Change Over Sub	0.60			3927.60	
Recorder	0.00	6752	Inside	3927.60	
Recorder	0.00	6741	Outside	3927.60	
Blank Spacing	63.28			3990.88	
Change Over Sub	0.60			3991.48	
Bullnose	3.00			3994.48	83.48 Bottom Packers & Anchor

Total Tool Length: 111.48



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45592 **DST#: 1**
Test Start: 2012.03.29 @ 12:00:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
220.00	mud-100%m	1.364

Total Length: 220.00 ft Total Volume: 1.364 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6752

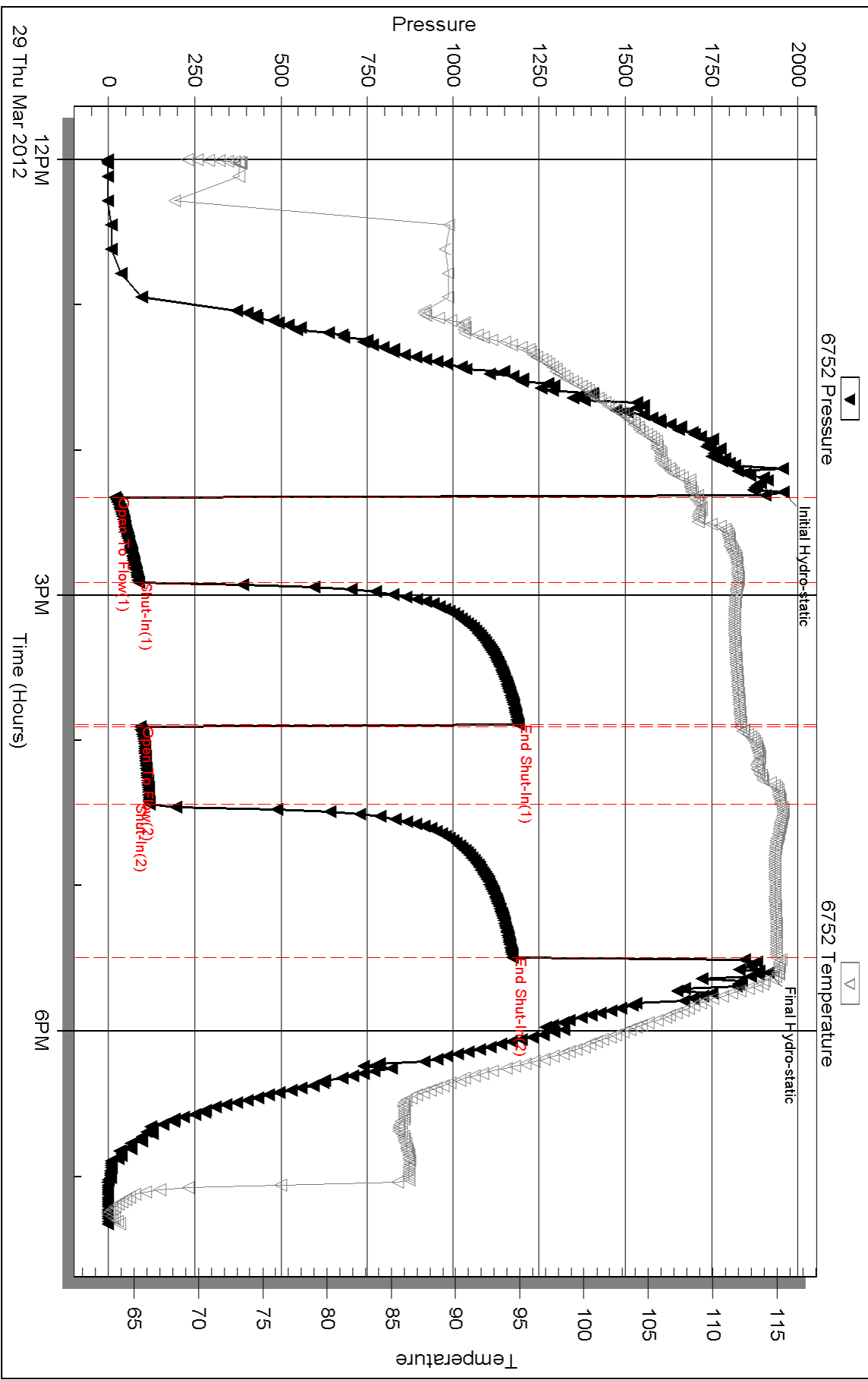
Inside

Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 1

Pressure vs. Time

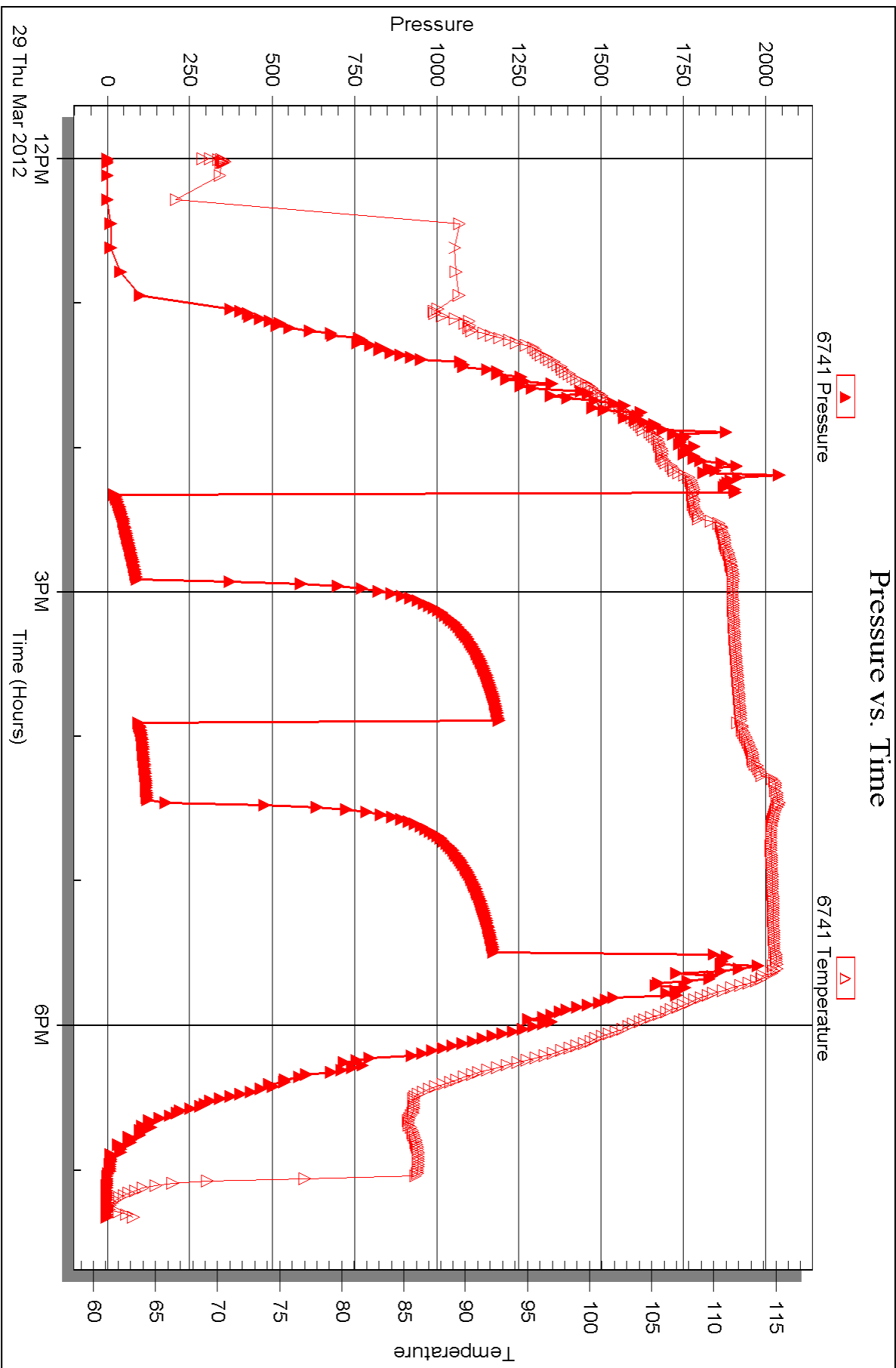


Serial #: 6741

Outside Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 1





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Robert Hendrix

Turtle Creek #1-30

30-5s-30w Decatur,KS

Start Date: 2012.03.30 @ 04:30:00

End Date: 2012.03.30 @ 11:26:00

Job Ticket #: 45593 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.05 @ 14:12:22



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

30-5s-30w Decatur, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45593 **DST#: 2**

Test Start: 2012.03.30 @ 04:30:00

GENERAL INFORMATION:

Formation: **LKC-EF**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:30:30

Time Test Ended: 11:26:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 4013.00 ft (KB) To 4036.00 ft (KB) (TVD)

Reference Elevations: 2946.00 ft (KB)

Total Depth: 4036.00 ft (KB) (TVD)

2941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press @ Run Depth: 18.49 psig @ 4014.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.30

End Date:

2012.03.30

Last Calib.: 2012.03.30

Start Time: 04:30:05

End Time:

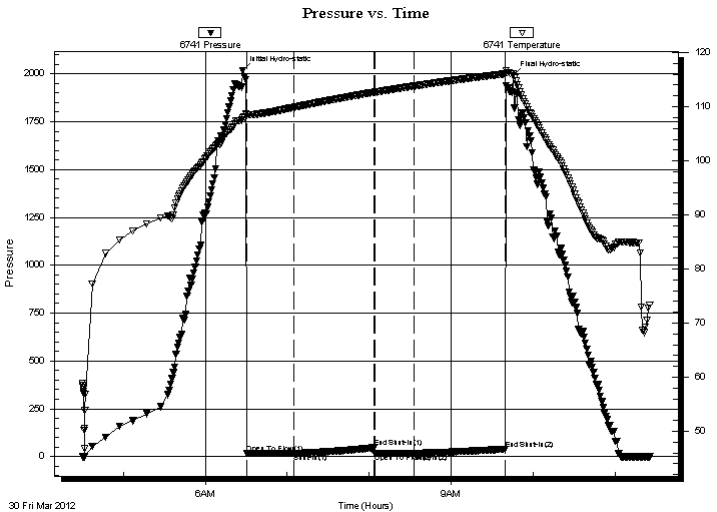
11:25:59

Time On Btm: 2012.03.30 @ 06:27:30

Time Off Btm: 2012.03.30 @ 09:45:30

TEST COMMENT: IF: Weak blow, Died in 17 mins.
IS: No blow back over 60 mins.
FF: No blow over 30 mins.
FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2017.67	107.96	Initial Hydro-static
3	17.14	108.45	Open To Flow (1)
38	17.79	109.89	Shut-In(1)
96	47.20	112.66	End Shut-In(1)
97	17.77	112.66	Open To Flow (2)
125	18.49	113.81	Shut-In(2)
192	39.15	116.08	End Shut-In(2)
198	1990.30	116.02	Final Hydro-static

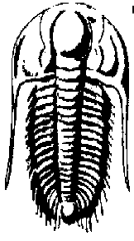
Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud with oil specs	0.02

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

30-5s-30w Decatur,KS

Turtle Creek #1-30

Job Ticket: 45593 **DST#: 2**
Test Start: 2012.03.30 @ 04:30:00

GENERAL INFORMATION:

Formation: **LKC-EF**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 06:30:30

Time Test Ended: 11:26:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreutzer Jr.

Unit No: 61

Interval: **4013.00 ft (KB) To 4036.00 ft (KB) (TVD)**

Total Depth: 4036.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2946.00 ft (KB)

2941.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6752 Outside

Press@RunDepth: psig @ 4014.00 ft (KB)

Start Date: 2012.03.30

End Date:

2012.03.30

Capacity: 8000.00 psig

Last Calib.:

2012.03.30

Start Time: 04:23:35

End Time:

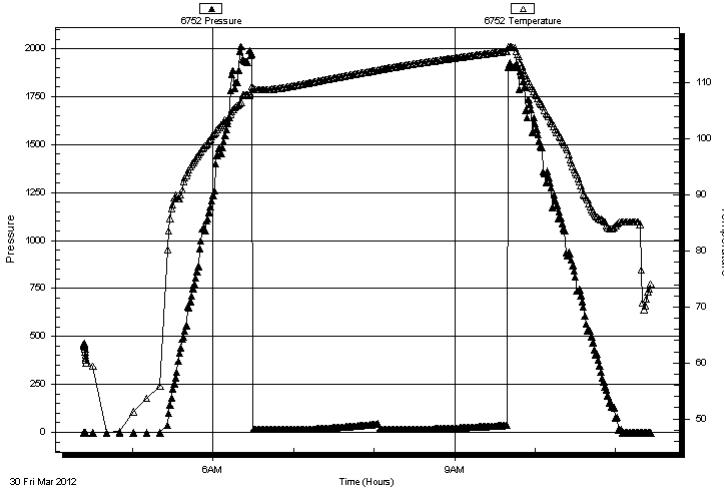
11:25:59

Time On Btm:

Time Off Btm:

TEST COMMENT: IF: Weak blow, Died in 17 mins.
IS: No blow back over 60 mins.
FF: No blow over 30 mins.
FS: No blow back over 60 mins.

Pressure vs. Time



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil specs	0.02

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45593 **DST#: 2**
Test Start: 2012.03.30 @ 04:30:00

Tool Information

Drill Pipe:	Length: 3819.00 ft	Diameter: 3.80 inches	Volume: 53.57 bbl	Tool Weight:	2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 189.00 ft	Diameter: 2.25 inches	Volume: 0.93 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 54.50 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial	60000.00 lb
Depth to Top Packer:	4013.00 ft			Final	60000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	23.00 ft				
Tool Length:	46.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3995.00	
Hydraulic tool	5.00			4000.00	
Safety Joint	3.00			4003.00	
Packer	5.00			4008.00	23.00 Bottom Of Top Packer
Packer	5.00			4013.00	
Stubb	1.00			4014.00	
Recorder	0.00	6741	Inside	4014.00	
Recorder	0.00	6752	Outside	4014.00	
Perforations	19.00			4033.00	
Bullnose	3.00			4036.00	23.00 Bottom Packers & Anchor
Total Tool Length:	46.00				



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45593 **DST#: 2**
Test Start: 2012.03.30 @ 04:30:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 60.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.97 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud w ith oil specs	0.025

Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 6741

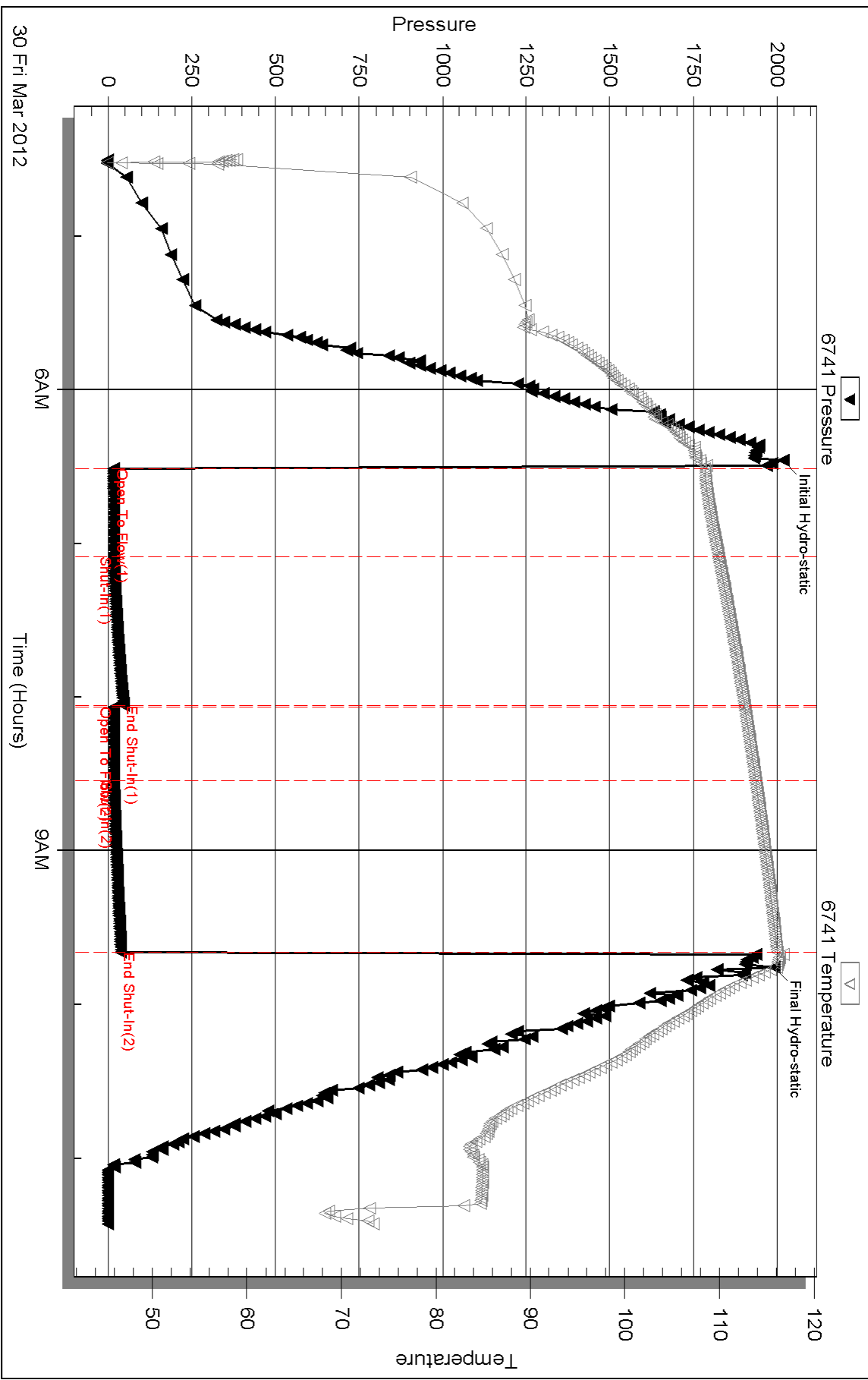
Inside

Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 2

Pressure vs. Time

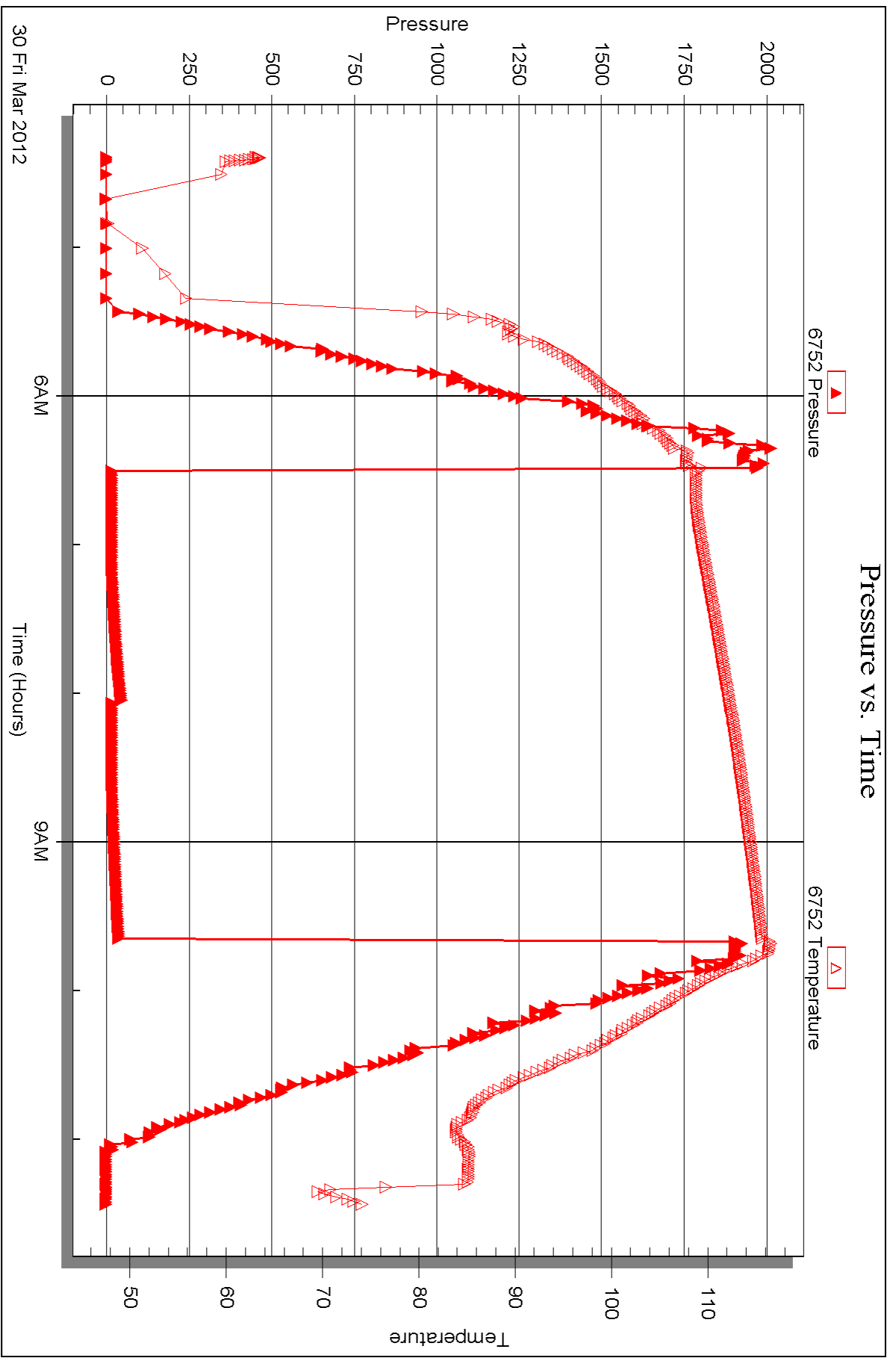


Serial #: 6752

Outside Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 2





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Robert Hendrix

Turtle Creek #1-30

30-5s-30w Decatur,KS

Start Date: 2012.03.31 @ 01:50:00

End Date: 2012.03.31 @ 09:29:30

Job Ticket #: 45594 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.05 @ 14:11:34



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

30-5s-30w Decatur, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45594 **DST#: 3**

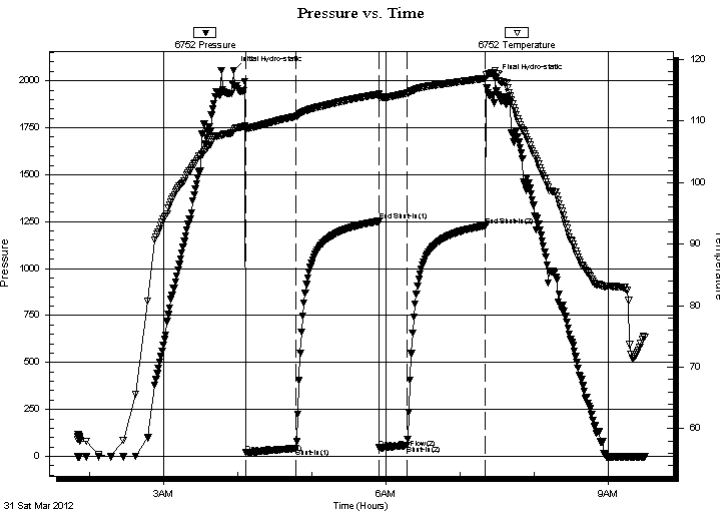
Test Start: 2012.03.31 @ 01:50:00

GENERAL INFORMATION:

Formation: **LKC-H-J**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:06:30
 Time Test Ended: 09:29:30
 Interval: **4059.00 ft (KB) To 4125.00 ft (KB) (TVD)**
 Total Depth: 4125.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreutzer Jr.
 Unit No: 61
 Reference Elevations: 2946.00 ft (KB)
 2941.00 ft (CF)
 KB to GR/CF: 5.00 ft

Serial #: 6752 **Inside**
 Press @ Run Depth: 57.88 psig @ 4064.60 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.03.31 End Date: 2012.03.31 Last Calib.: 2012.03.31
 Start Time: 01:50:05 End Time: 09:29:29 Time On Btm: 2012.03.31 @ 03:56:30
 Time Off Btm: 2012.03.31 @ 07:28:30

TEST COMMENT: IF: Weak surface blow over 30 mins.
 IS: No blow back over 60 mins.
 FF: No blow over 30 mins.
 FS: No blow back over 60 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2055.16	108.44	Initial Hydro-static
10	19.41	108.59	Open To Flow (1)
50	42.43	110.74	Shut-In(1)
118	1251.85	114.36	End Shut-In(1)
118	45.65	114.02	Open To Flow (2)
140	57.88	114.49	Shut-In(2)
204	1228.26	116.95	End Shut-In(2)
212	2011.10	118.24	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
83.00	mud-100%m	0.41

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45594 **DST#: 3**
Test Start: 2012.03.31 @ 01:50:00

Tool Information

Drill Pipe:	Length: 3872.00 ft	Diameter: 3.80 inches	Volume: 54.31 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 189.00 ft	Diameter: 2.25 inches	Volume: 0.93 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 55.24 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	25.00 ft			String Weight: Initial 62000.00 lb
Depth to Top Packer:	4059.00 ft			Final 62000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	66.23 ft			
Tool Length:	89.23 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
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Shut In Tool	5.00			4041.00	
Hydraulic tool	5.00			4046.00	
Safety Joint	3.00			4049.00	
Packer	5.00			4054.00	23.00 Bottom Of Top Packer
Packer	5.00			4059.00	
Stubb	1.00			4060.00	
Perforations	4.00			4064.00	
Change Over Sub	0.60			4064.60	
Recorder	0.00	6752	Inside	4064.60	
Recorder	0.00	6741	Outside	4064.60	
Blank Spacing	32.03			4096.63	
Change Over Sub	0.60			4097.23	
Perforations	25.00			4122.23	
Bullnose	3.00			4125.23	66.23 Bottom Packers & Anchor

Total Tool Length: 89.23



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45594 **DST#: 3**
Test Start: 2012.03.31 @ 01:50:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 54.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.98 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
83.00	mud-100%m	0.408

Total Length: 83.00 ft Total Volume: 0.408 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

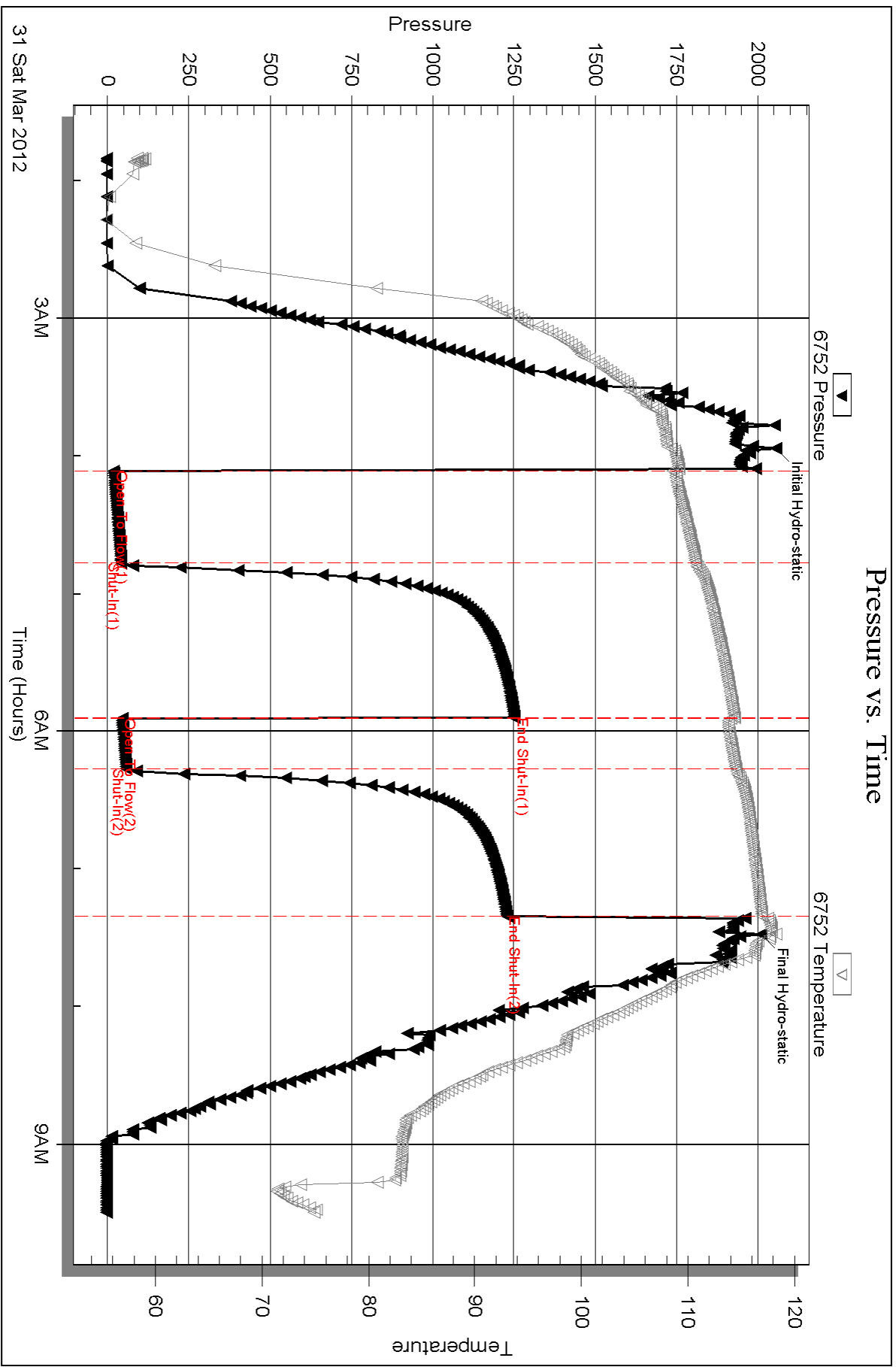
Serial #: 6752

Inside

Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 3





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Robert Hendrix

Turtle Creek #1-30

30-5s-30w Decatur,KS

Start Date: 2012.03.31 @ 19:35:00

End Date: 2012.04.01 @ 01:26:00

Job Ticket #: 45595 DST #: 4

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.05 @ 14:10:35



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

30-5s-30w Decatur, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45595 **DST#: 4**

Test Start: 2012.03.31 @ 19:35:00

GENERAL INFORMATION:

Formation: **LKC-K-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:13:00

Time Test Ended: 01:26:00

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreuzer Jr.

Unit No: 61

Interval: 4120.00 ft (KB) To 4178.00 ft (KB) (TVD)

Reference Elevations: 2946.00 ft (KB)

Total Depth: 4178.00 ft (KB) (TVD)

2941.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 6741

Inside

Press @ Run Depth: 31.91 psig @ 4125.60 ft (KB)

Capacity: 8000.00 psig

Start Date: 2012.03.31

End Date:

2012.04.01

Last Calib.: 2012.04.01

Start Time: 19:35:05

End Time:

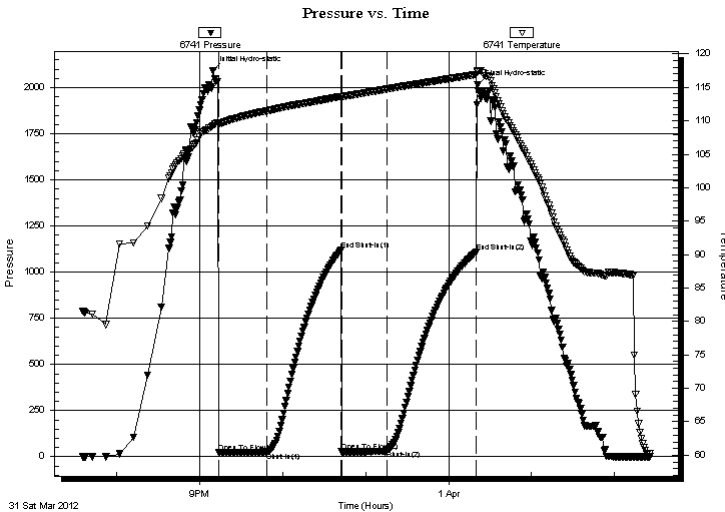
02:25:59

Time On Btm: 2012.03.31 @ 21:09:30

Time Off Btm: 2012.04.01 @ 00:21:00

TEST COMMENT: IF: Weak blow, Died in 20 mins.
IS: No blow back over 60 mins.
FF: No blow over 30 mins.
FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2093.51	109.31	Initial Hydro-static
4	21.61	109.46	Open To Flow (1)
39	26.20	111.50	Shut-In(1)
93	1119.45	113.64	End Shut-In(1)
93	26.63	113.30	Open To Flow (2)
126	31.91	114.72	Shut-In(2)
191	1108.95	116.93	End Shut-In(2)
192	2015.53	117.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
4.00	mud	0.02

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45595 **DST#: 4**
Test Start: 2012.03.31 @ 19:35:00

Tool Information

Drill Pipe:	Length: 3912.00 ft	Diameter: 3.80 inches	Volume: 54.88 bbl	Tool Weight:	2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	25000.00 lb
Drill Collar:	Length: 189.00 ft	Diameter: 2.25 inches	Volume: 0.93 bbl	Weight to Pull Loose:	65000.00 lb
			<u>Total Volume: 55.81 bbl</u>	Tool Chased	2.00 ft
Drill Pipe Above KB:	4.00 ft			String Weight: Initial	62000.00 lb
Depth to Top Packer:	4120.00 ft			Final	62000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	58.25 ft				
Tool Length:	81.25 ft				
Number of Packers:	2	Diameter: 6.75 inches			

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			4102.00	
Hydraulic tool	5.00			4107.00	
Safety Joint	3.00			4110.00	
Packer	5.00			4115.00	23.00 Bottom Of Top Packer
Packer	5.00			4120.00	
Stubb	1.00			4121.00	
Perforations	4.00			4125.00	
Change Over Sub	0.60			4125.60	
Recorder	0.00	6741	Inside	4125.60	
Recorder	0.00	6752	Outside	4125.60	
Blank Spacing	32.05			4157.65	
Change Over Sub	0.60			4158.25	
Perforations	17.00			4175.25	
Bullnose	3.00			4178.25	58.25 Bottom Packers & Anchor

Total Tool Length: 81.25



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45595 **DST#: 4**
Test Start: 2012.03.31 @ 19:35:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 52.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.19 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1000.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	mud	0.020

Total Length: 4.00 ft Total Volume: 0.020 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

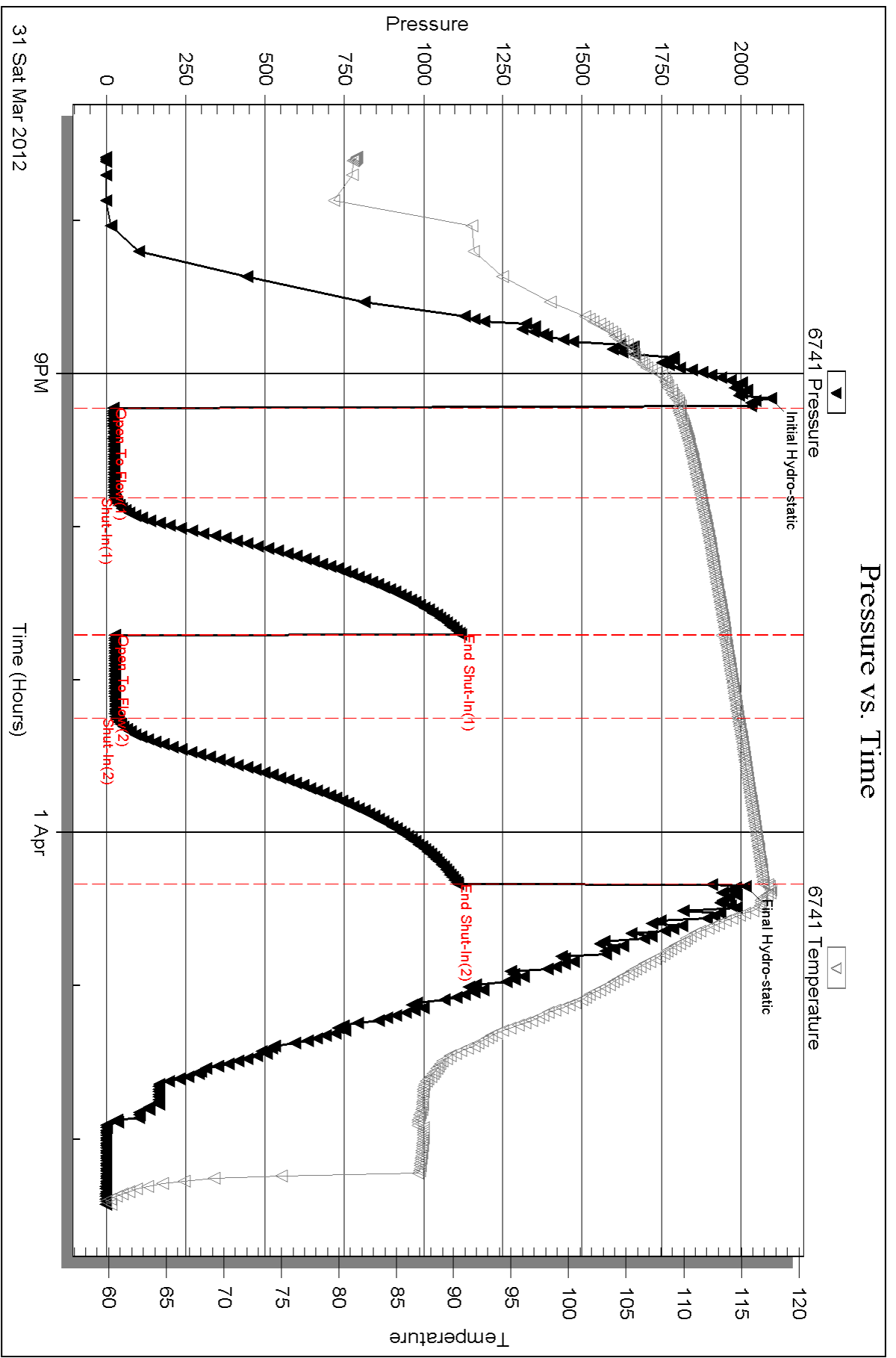
Serial #: 6741

Inside

Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 4



Triobite Testing, Inc

Ref. No: 45595

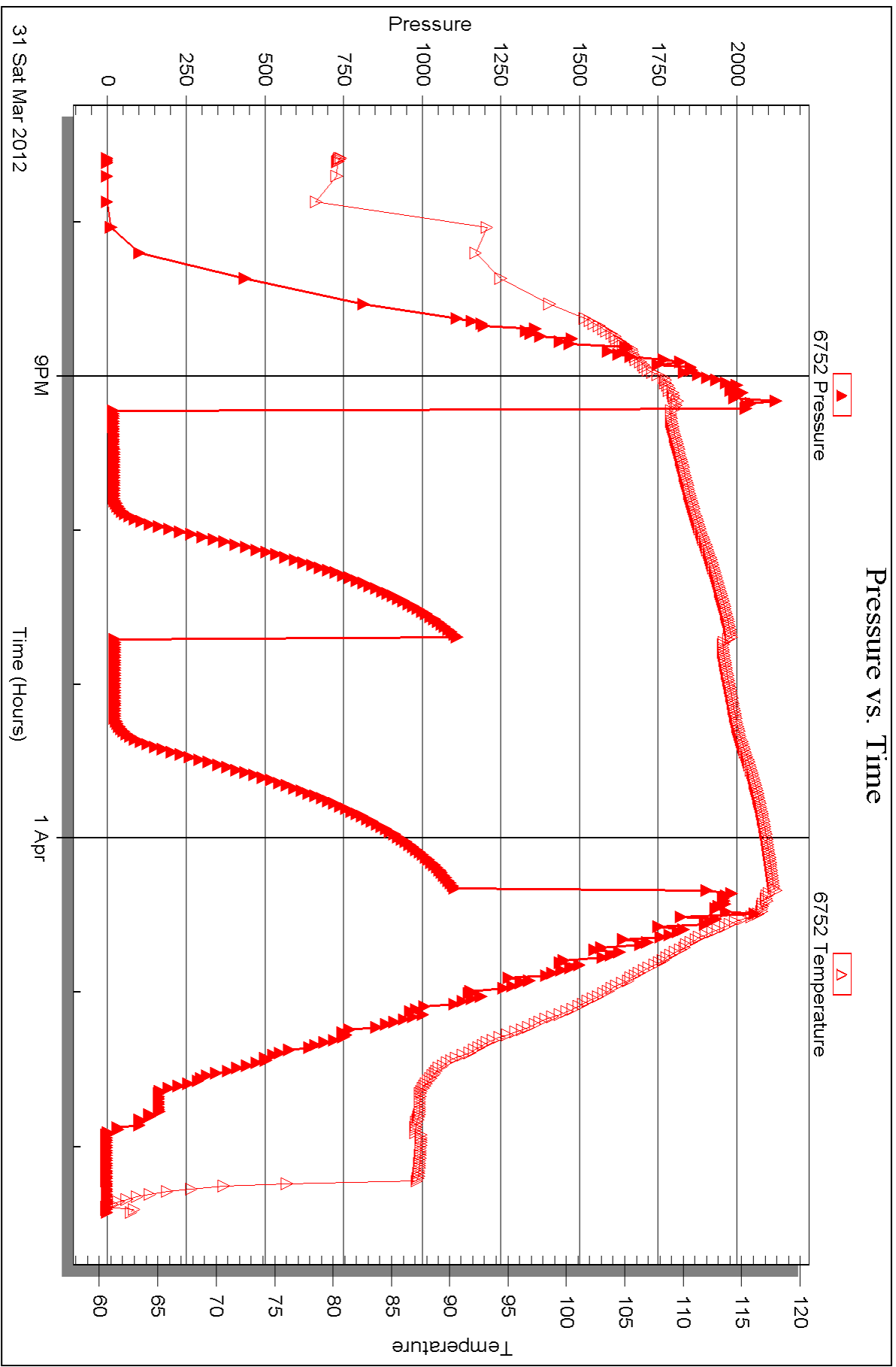
Printed: 2012.04.05 @ 14:10:37

Serial #: 6752

Outside Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 4





DRILL STEM TEST REPORT

Prepared For: **Murfin Drilling Co. Inc.**

250 N. Water
Ste. 300
Wichita KS 67202

ATTN: Robert Hendrix

Turtle Creek #1-30

30-5s-30w Decatur,KS

Start Date: 2012.04.02 @ 01:25:00

End Date: 2012.04.02 @ 09:18:30

Job Ticket #: 45596 DST #: 5

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2012.04.05 @ 14:09:17



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

30-5s-30w Decatur, KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45596 **DST#: 5**

Test Start: 2012.04.02 @ 01:25:00

GENERAL INFORMATION:

Formation: **Verdign's**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 03:53:30
 Time Test Ended: 09:18:30
 Interval: **4368.00 ft (KB) To 4400.00 ft (KB) (TVD)**
 Total Depth: 4400.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Chuck Kreuzer Jr.
 Unit No: 61
 Reference Elevations: 2946.00 ft (KB)
 2941.00 ft (CF)
 KB to GR/CF: 5.00 ft

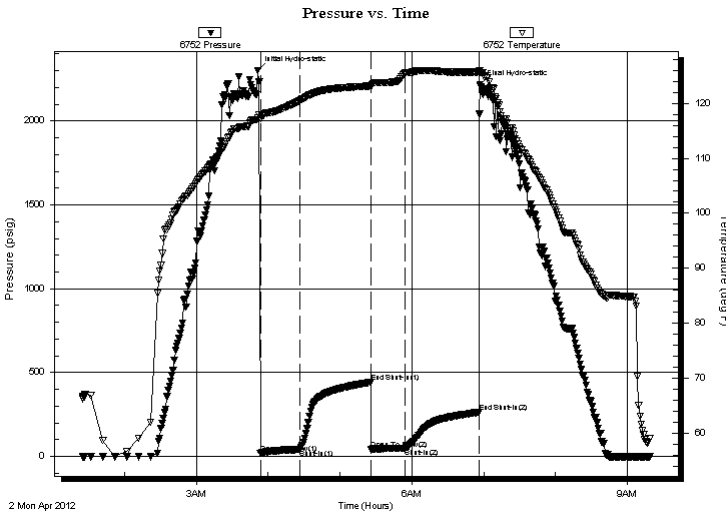
Serial #: 6752

Inside

Press @ Run Depth: 49.57 psig @ 4373.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.04.02 End Date: 2012.04.02 Last Calib.: 2012.04.02
 Start Time: 01:25:05 End Time: 09:18:29 Time On Btm: 2012.04.02 @ 03:51:30
 Time Off Btm: 2012.04.02 @ 06:57:00

TEST COMMENT: IF: Weak blow, Built to 1/4 in. over 30 mins.
 IS: No blow back over 60 mins.
 FF: No blow over 30 mins.
 FS: No blow back over 60 mins.

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2301.86	117.28	Initial Hydro-static
2	19.18	117.31	Open To Flow (1)
35	43.14	120.53	Shut-In(1)
94	442.42	123.18	End Shut-In(1)
95	44.46	123.14	Open To Flow (2)
123	49.57	125.51	Shut-In(2)
185	262.86	125.73	End Shut-In(2)
186	2215.95	125.64	Final Hydro-static

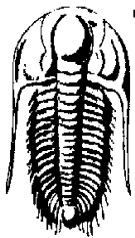
Recovery

Length (ft)	Description	Volume (bbl)
63.00	mud-strong oil smell	0.31

* Recovery from multiple tests

Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Murfin Drilling Co. Inc.

30-5s-30w Decatur, KS250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix**Turtle Creek #1-30**

Job Ticket: 45596

DST#: 5

Test Start: 2012.04.02 @ 01:25:00

GENERAL INFORMATION:Formation: **Verdign's**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:53:30

Time Test Ended: 09:18:30

Interval: 4368.00 ft (KB) To 4400.00 ft (KB) (TVD)

Total Depth: 4400.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Test Type: Conventional Bottom Hole (Reset)

Tester: Chuck Kreutzer Jr.

Unit No: 61

Reference Elevations: 2946.00 ft (KB)

2941.00 ft (CF)

KB to GR/CF: 5.00 ft

Serial #: 6741**Outside**

Press @ Run Depth: psig @ 4373.00 ft (KB)

Start Date: 2012.04.02

End Date: 2012.04.02

Start Time: 01:25:05

End Time: 09:18:29

Capacity: 8000.00 psig

Last Calib.: 2012.04.02

Time On Btm:

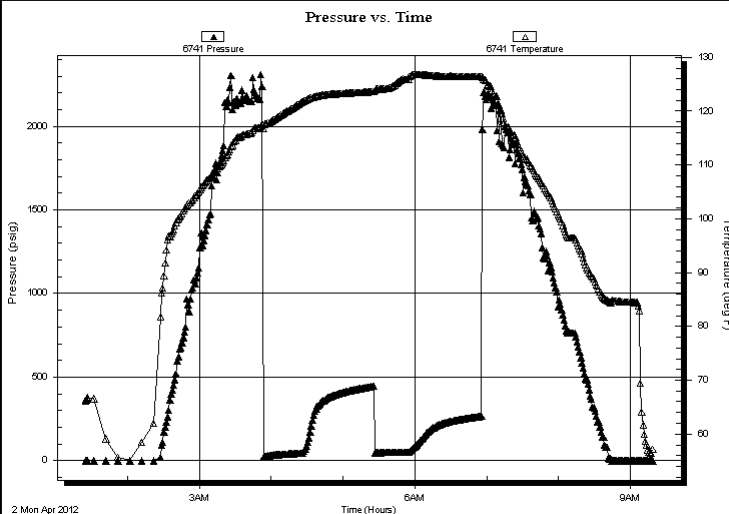
Time Off Btm:

TEST COMMENT: IF: Weak blow, Built to 1/4 in. over 30 mins.

IS: No blow back over 60 mins.

FF: No blow over 30 mins.

FS: No blow back over 60 mins.

PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
63.00	mud-strong oil smell	0.31

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Recovery from multiple tests



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TOOL DIAGRAM

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45596 **DST#: 5**
Test Start: 2012.04.02 @ 01:25:00

Tool Information

Drill Pipe:	Length: 4172.00 ft	Diameter: 3.80 inches	Volume: 58.52 bbl	Tool Weight: 2600.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 189.00 ft	Diameter: 2.25 inches	Volume: 0.93 bbl	Weight to Pull Loose: 70000.00 lb
			<u>Total Volume: 59.45 bbl</u>	Tool Chased 2.00 ft
Drill Pipe Above KB:	16.00 ft			String Weight: Initial 64000.00 lb
Depth to Top Packer:	4368.00 ft			Final 64000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	32.00 ft			
Tool Length:	55.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Shut In Tool	5.00			4350.00	
Hydraulic tool	5.00			4355.00	
Safety Joint	3.00			4358.00	
Packer	5.00			4363.00	23.00 Bottom Of Top Packer
Packer	5.00			4368.00	
Stubb	1.00			4369.00	
Perforations	4.00			4373.00	
Recorder	0.00	6752	Inside	4373.00	
Recorder	0.00	6741	Outside	4373.00	
Perforations	24.00			4397.00	
Bullnose	3.00			4400.00	32.00 Bottom Packers & Anchor

Total Tool Length: 55.00



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

FLUID SUMMARY

Murfin Drilling Co. Inc.

30-5s-30w Decatur,KS

250 N. Water
Ste. 300
Wichita KS 67202
ATTN: Robert Hendrix

Turtle Creek #1-30

Job Ticket: 45596 **DST#: 5**
Test Start: 2012.04.02 @ 01:25:00

Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 56.00 sec/qt	Cushion Volume: bbl		
Water Loss: 5.59 in ³	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 1400.00 ppm			
Filter Cake: 2.00 inches			

Recovery Information

Recovery Table

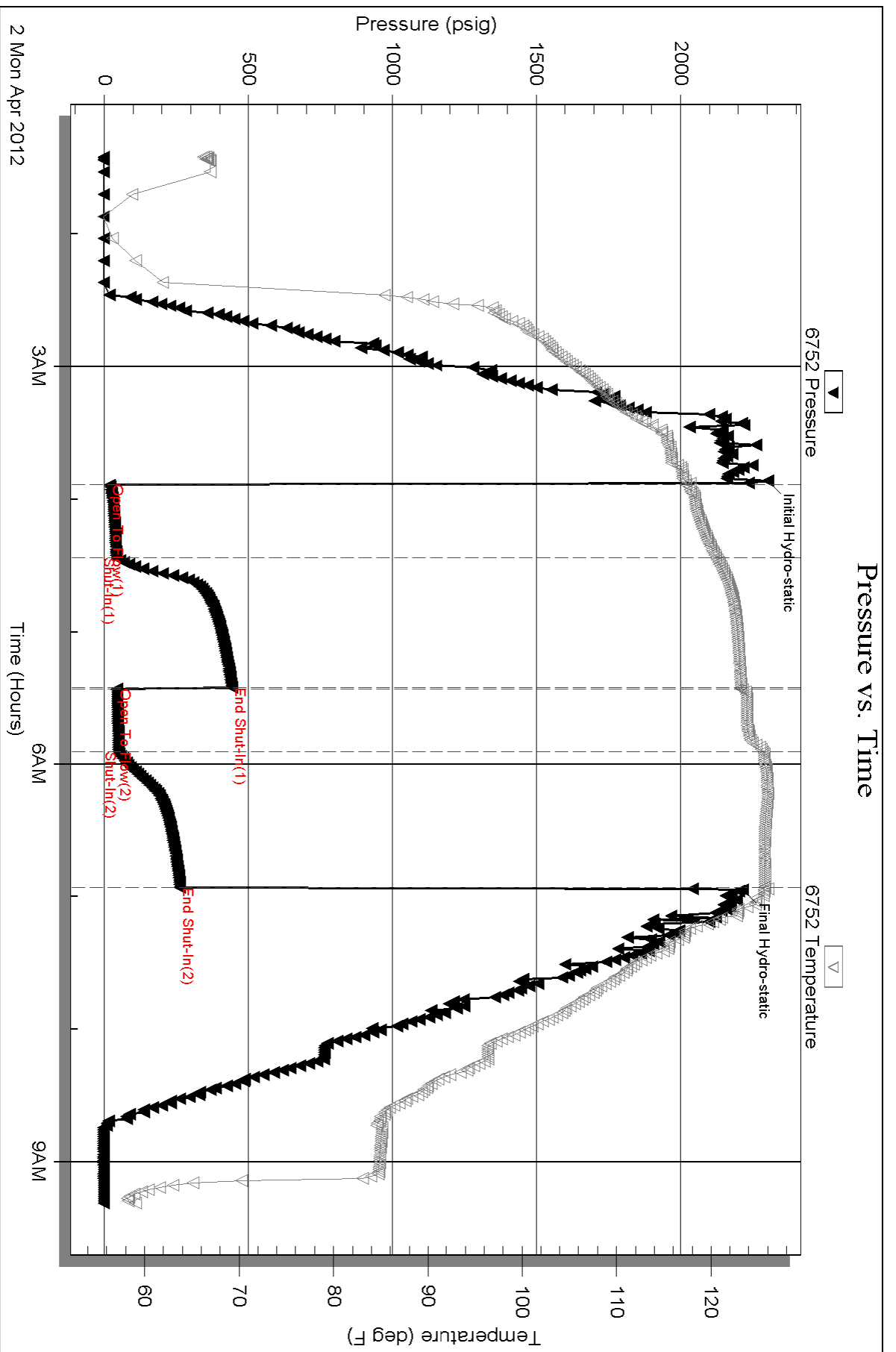
Length ft	Description	Volume bbl
63.00	mud-strong oil smell	0.310

Total Length: 63.00 ft Total Volume: 0.310 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

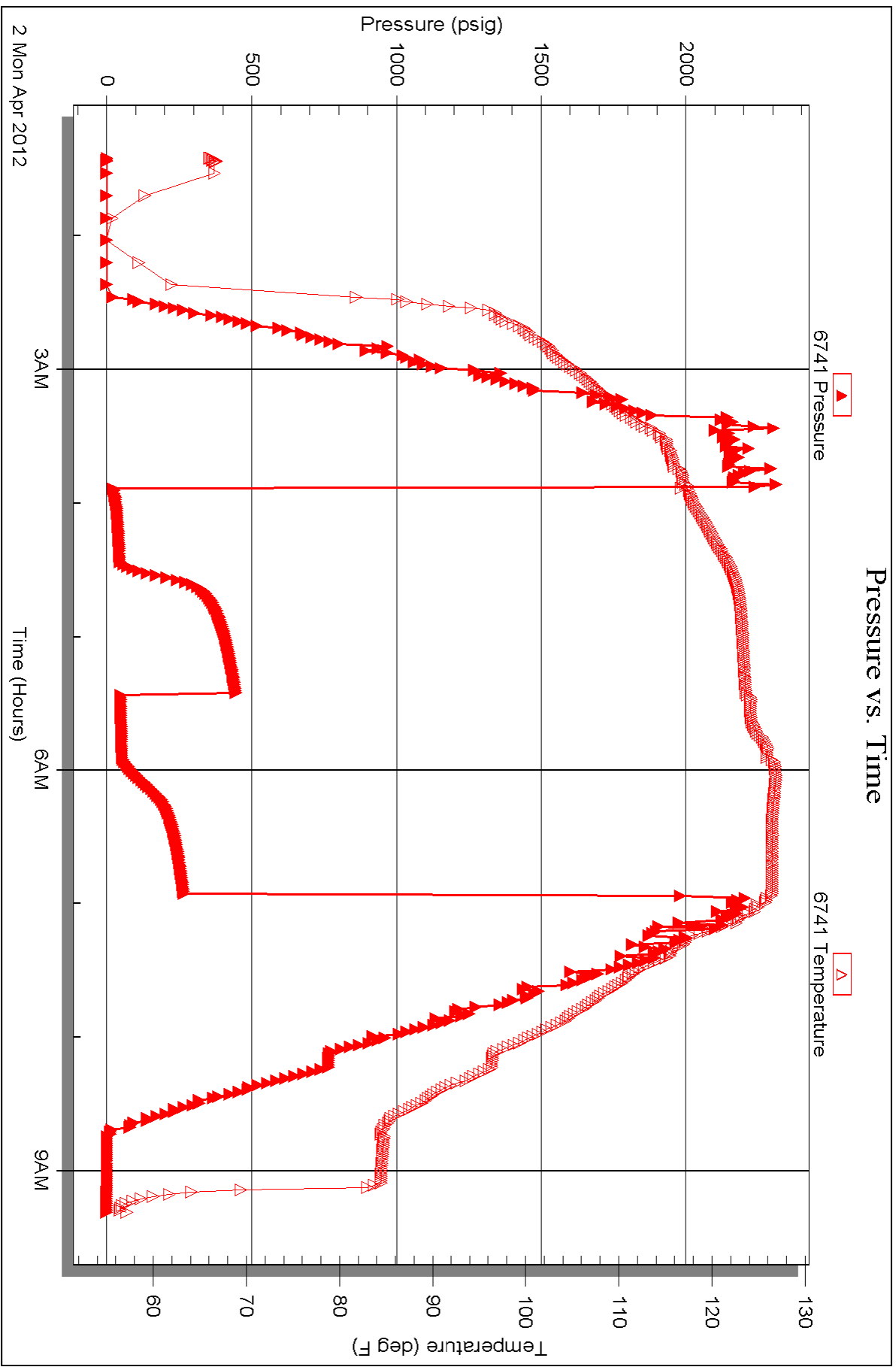


Serial #: 6741

Outside Murfin Drilling Co. Inc.

Turtle Creek #1-30

DST Test Number: 5





TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 05 2012
BY: _____

318-

Test Ticket

NO. 45592

Well Name & No. Turtle creek #1-30 Test No. 1 Date 3-29-12
 Company MurFin Drilling Co. Inc. Elevation 2946 KB 2941 GL
 Address 250 N. water ste. 300 Wichita Ks. 67202
 Co. Rep/Geo. Robert Andrex Rig MurFin #8
 Location: Sec. 30 Twp. 5 Rge. 30 Co. Decatur State Ks

Interval Tested 3911 3995 Zone Tested Top-LKC-A
 Anchor Length 84 Drill Pipe Run 3722 Mud Wt. 8.9
 Top Packer Depth 3906 Drill Collars Run 188 Vis 60
 Bottom Packer Depth 3911 Wt. Pipe Run 0- WL 6.0
 Total Depth 3995 Chlorides 1,000 ppm System LCM 10#

Blow Description IF: Weak blow, Built to surface over 30 mins
ISI: No blow
FF: Weak blow Built to surface over 30mins
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>220</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 220 BHT 115 Gravity 1125 API RW 84 @ 11:13 °F Chlorides 1000 ppm

(A) Initial Hydrostatic 1957 Test 1125 T-On Location 11:13
 (B) First Initial Flow 20 Jars 250 T-Started 12:00
 (C) First Final Flow 88 Safety Joint 75 T-Open 14:19
 (D) Initial Shut-In 1180 Circ Sub T-Pulled 5:30
 (E) Second Initial Flow 92 Hourly Standby T-Out 19:20
 (F) Second Final Flow 119 Mileage 30x2=60RT 84' Comments _____
 (G) Final Shut-In 1173 Sampler _____
 (H) Final Hydrostatic 1915 Straddle _____
 Ruined Shale Packer _____
 Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1534 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Approved By _____

Our Representative Chubby [Signature]

Trilobite Testing Inc. shall not be liable for damaged or lost property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 05 2012
BY: _____

Test Ticket

NO. 45593

Well Name & No. Turtle Creek #1-30 Test No. 2 Date 03-30-2012
 Company Murfin Drilling Co Inc. Elevation 2946 KB 2941 GL
 Address 250 N. Water ste. 300 Wichita Ks. 67202
 Co. Rep / Geo. Robert Hendrix Rig MurFin #8
 Location: Sec. 30 Twp. 5 Rge. 30 Co. Decatur State Ks.

Interval Tested 4013 4036 Zone Tested LKC - E - F
 Anchor Length 23 Drill Pipe Run 3819 Mud Wt. 8.9
 Top Packer Depth 4008 Drill Collars Run 186 Vis 60
 Bottom Packer Depth 4013 Wt. Pipe Run - 0' WL 6.0
 Total Depth 4036 Chlorides 1,000 ppm System LCM 10 #

Blow Description IF: Weak blow Died in 17 mins.
FSI: No blow back over 60 mins.
FF: No blow over 30 mins.
FSI: No blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>5</u>	<u>mud with oil specs</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 5 BHT 116. Gravity API RW @ ° F Chlorides ppm
 (A) Initial Hydrostatic 2018 Test 1225 T-On Location 3:55
 (B) First Initial Flow 17 Jars T-Started 4:30
 (C) First Final Flow 18 Safety Joint 75 T-Open 6:30
 (D) Initial Shut-In 47 Circ Sub T-Pulled 9:35
 (E) Second Initial Flow 18 Hourly Standby T-Out 11:26
 (F) Second Final Flow 38 Mileage 30x2 = 60x1.40 84 Comments _____
 (G) Final Shut-In 39 Sampler _____
 (H) Final Hydrostatic 1046 Straddle _____

Ruined Shale Packer
 Ruined Packer
 Extra Copies
 Extra Packer
 Extra Recorder
 Day Standby
 Accessibility
 Sub Total 1384 MP/DST Disc't _____

Approved By _____ Our Representative Chad [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 05 2012
BY: _____

Test Ticket

NO. 45594

Well Name & No. Turtle Creek #1-30 Test No. 3 Date 3-31-2012
 Company Murfin Drilling Co. Inc. Elevation 2946 KB 2941 GL
 Address 250 N. Water Ste. 300 Wichita Ks. 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin #8
 Location: Sec. 30 Twp. 5 Rge. 30 Co. Decatur State Ks.

Interval Tested 4059 4125 Zone Tested LKC-H-J
 Anchor Length 86 Drill Pipe Run 3872 Mud Wt. 9.0
 Top Packer Depth 4054 Drill Collars Run 186 Vis 54
 Bottom Packer Depth 4059 Wt. Pipe Run -0- WL 6.0
 Total Depth 4125 Chlorides 1,000 ppm System LCM 10#

Blow Description IF: W&K surface blow, over 30 mins.
ISI: No blow back over 60 mins.
FF: No blow over 30 mins.
FSI: No blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>83</u>	<u>mud</u>				<u>100%</u>
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 83 BHT 117 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 2055 Test 1225 T-On Location 1:00
 (B) First Initial Flow 19 Jars T-Started 1:50
 (C) First Final Flow 42 Safety Joint 75' T-Open 4:06
 (D) Initial Shut-In 1252 Circ Sub T-Pulled 7:20
 (E) Second Initial Flow 46 Hourly Standby T-Out 9:29
 (F) Second Final Flow 58 Mileage 30x2 = 60x1.40 = 84 Comments _____
 (G) Final Shut-In 1228 Sampler _____
 (H) Final Hydrostatic 2011 Straddle _____
 Shale Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Sub Total 1384
 Total 1384
 MP/DST Disc't _____

Approved By _____ Our Representative Chuck [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 05 2012

Test Ticket

NO. 45595

BY: _____

Well Name & No. Turtle Creek #1-30 Test No. PH Date 3-31-2012
 Company Murfin Drilling Co Inc. Elevation 2946 KB 2941 GL
 Address 250 N. Water Ste. 300 Wichita Ks. 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin #8
 Location: Sec. 30 Twp. 5 Rge. 30 Co. Decatur State Ks.

Interval Tested 4120 4178 Zone Tested LRC-K-L
 Anchor Length 58 Drill Pipe Run 3912 Mud Wt. 9.0
 Top Packer Depth 4115 Drill Collars Run 186 Vis 52
 Bottom Packer Depth 4120 Wt. Pipe Run -0- WL 5.2
 Total Depth 4178 Chlorides 1,000 ppm System LCM 10#

Blow Description IF: Weak blow, Died in 20 mins

ISF: No blow back over 60 mins.

FF: No blow over 30 mins.

FSI: No blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 4 BHT 116.9 Gravity _____ API RW _____ @ _____ ° F Chlorides _____ ppm

(A) Initial Hydrostatic 2094 Test 1225 T-On Location 18:55
 (B) First Initial Flow 22 Jars T-Started 19:35
 (C) First Final Flow 26 Safety Joint 75 T-Open 20:13
 (D) Initial Shut-In 1119 Circ Sub T-Pulled 00:10
 (E) Second Initial Flow 27 Hourly Standby T-Out 1:26
 (F) Second Final Flow 32 Mileage 30x2 = 60 RT 84 Comments _____
 (G) Final Shut-In 1109 Sampler _____
 (H) Final Hydrostatic 2016 Straddle _____
 Ruined Shale Packer _____
 Ruined Packer _____
 Extra Packer _____
 Extra Recorder _____
 Day Standby _____
 Accessibility _____
 Sub Total 1384 MP/DST Disc't _____

Initial Open 30
 Initial Shut-In 60
 Final Flow 30
 Final Shut-In 60

Sub Total 1384

Approved By _____

Our Representative Chad [Signature]

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TRILOBITE TESTING INC.

P.O. Box 1733 • Hays, Kansas 67601

RECEIVED
APR 05 2012

Test Ticket

NO. 45596

Well Name & No. Turtle creek #1-30 Test No. 5 Date 4-1-2012
 Company Murfin Drilling Co. Elevation 2946 KB 2941 GL
 Address 250 N. Water Ste. 300 Wichita Ks. 67202
 Co. Rep / Geo. Robert Hendrix Rig Murfin #8
 Location: Sec. 30 Twp. 5 Rge. 30 Co. Decatur State KS

Interval Tested 4368 4400 Zone Tested Verdign's
 Anchor Length 32 Drill Pipe Run _____ Mud Wt. 9.1
 Top Packer Depth 4363 Drill Collars Run 186 Vis 56
 Bottom Packer Depth 4368 Wt. Pipe Run -0- WL 5.6
 Total Depth 4400 Chlorides 1400 ppm System LCM 8#

Blow Description IF: Weak surface blow, Built + to 1/4 in. over 30 mins
ISF: No blow back over 60 mins.
FF: No blow over 30 mins.
FSI: No blow back over 60 mins.

Rec	Feet of	%gas	%oil	%water	%mud
<u>63</u>	<u>mud - strong smell of oil</u>				
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 63 BHT 125.7 Gravelly _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 2302 Test 1225' T-On Location 1:05
 (B) First Initial Flow 19 Jars _____ T-Started 1:25
 (C) First Final Flow 43 Safety Joint 75' T-Open 5:26
 (D) Initial Shut-In 442 Circ Sub _____ T-Pulled 6:55
 (E) Second Initial Flow 44 Hourly Standby _____ T-Out 9:18
 (F) Second Final Flow 50 Mileage 30x2=60x1.40x2 Comments Load tools at 10:00
 (G) Final Shut-In 263 168' on 4-2-2012
 (H) Final Hydrostatic 2216 Sampler _____
 Straddle _____
 Shale Packer _____
 Ruined Shale Packer _____
 Ruined Packer _____

Initial Open 30 Extra Packer _____
 Initial Shut-In 60 Extra Recorder _____
 Final Flow 30 Day Standby NC 2 1/4 hrs Sub Total _____
 Final Shut-In 60 Accessibility _____ Total _____
 Sub Total 1384 MP/DST Disc't _____

Approved By _____ Our Representative Chad [Signature]
 Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

INVOICE

Invoice Number: 130587

Invoice Date: Mar 24, 2012

Page: 1

OPERATOR PAY MDC
LEASE: 317



PROD COPY

Bill To:
Murfin Drg. Co., Inc. 250 N. Water STE #300 Wichita, KS 67202

Customer ID	Well Name/# or Customer P.O.	Payment Terms	
Murfin	Turtle Creek #1-30	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Oakley	Mar 24, 2012	4/23/12

Quantity	Item	Description	Unit Price	Amount
225.00	MAT	Class A Common	16.25	3,656.25
8.00	MAT	Chloride	58.20	465.60
233.00	SER	Handling	2.25	524.25
38.00	SER	Mileage	25.63	973.94
1.00	SER	Surface	1,125.00	1,125.00
38.00	SER	Heavy Vehicle Mileage	7.00	266.00
1.00	SER	Manifold Head Rental	200.00	200.00
38.00	SER	Light Vehicle Mileage	4.00	152.00
1.00	CEMENTER	Andrew Forslund		
1.00	EQUIP OPER	Jerry Yates		
1.00	OPER ASSIST	Billy Turner		

Account	Unit	Description	Amount
#D203		Cement S.Cg	5086.88
			3,8082.0001

Subtotal	7,363.04
Sales Tax	300.90
Total Invoice Amount	7,663.94
Payment/Credit Applied	
TOTAL	7,663.94

ALL PRICES ARE NET, PAYABLE
30 DAYS FOLLOWING DATE OF
INVOICE. 1 1/2% CHARGED
THEREAFTER. IF ACCOUNT IS
CURRENT, TAKE DISCOUNT OF

\$ 2577.06

ONLY IF PAID ON OR BEFORE
Apr 18, 2012

(2577.06)

5086.88

ALLIED CEMENTING CO., LLC. 035259

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:

Oakley

DATE <u>3-24-12</u>	SEC. <u>30</u>	TWP. <u>5</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION	JOB START <u>11:30pm</u>	JOB FINISH <u>12:00AM</u>
TITLE <u>Turtle Creek</u>	WELL# <u>1-30</u>	LOCATION <u>Rexford 7N 10W</u>	COUNTY <u>Decatur</u>	STATE <u>KS</u>			
OLD OR NEW (Circle one) <u>NEW</u>		<u>1 3/4 N 6 into</u>					

CONTRACTOR Murfin &
 TYPE OF JOB Surface
 HOLE SIZE 12 1/4 T.D. 262'
 CASING SIZE 8 5/8 DEPTH 262'
 TUBING SIZE _____ DEPTH _____
 DRILL PIPE _____ DEPTH _____
 TOOL _____ DEPTH _____
 PRES. MAX _____ MINIMUM _____
 MEAS. LINE _____ SHOE JOINT _____
 CEMENT LEFT IN CSG. 20
 PERFS. _____
 DISPLACEMENT 15.4 cbl

OWNER same
 CEMENT AMOUNT ORDERED 225 SKS com 3% cc
 COMMON 225 SKS @ 16.25 = 3656.25
 POZMIX _____ @ _____
 GEL _____ @ _____
 CHLORIDE 8 SKS @ 58.20 = 465.60
 ASC _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 HANDLING 2.33 SKS @ 21.25 = 524.25
 MILEAGE 118 SK/mile @ 973.94
 TOTAL 5620.04

EQUIPMENT
 PUMP TRUCK CEMENTER Andrew
 # 423-281 HELPER Jerry
 BULK TRUCK
 # 347 DRIVER Billy
 BULK TRUCK
 # _____ DRIVER _____

REMARKS:

Cement did circulate
thank you

CHARGE TO: Murfin
 STREET _____
 CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB _____
 PUMP TRUCK CHARGE _____ 1125.00
 EXTRA FOOTAGE _____ @ _____
 MILEAGE 38 miles @ 7.00 = 268.00
 MANIFOLD head @ 200.00
Light vehicle @ 4.00 = 152.00
 _____ @ _____
 TOTAL 1743.00

PLUG & FLOAT EQUIPMENT

_____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 _____ @ _____
 TOTAL _____

SALES TAX (If Any) _____
 TOTAL CHARGES _____
 DISCOUNT _____ IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Rodney Farr
 SIGNATURE Rodney Farr

ALLIED

OIL & GAS SERVICES, LLC

PO Box 93999
Southlake, TX 76092

Voice: (817) 546-7282
Fax: (817) 246-3361

PROD COPY

INVOICE

Invoice Number: 130741
Invoice Date: Apr 3, 2012
Page: 1

✓ acct.
Sig H.

Bill To:
Murfin Drig. Co., Inc.
250 N. Water
STE #300
Wichita, KS 67202



OPERATOR PAY MDC
LEASE: BM

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Murfin	Turtle Creek #1-30	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-03	Oakley	Apr 3, 2012	5/3/12

Quantity	Item	Description	Unit Price	Amount
132.00	MAT	Class A Common	16.25	2,145.00
88.00	MAT	Pozmix	8.50	748.00
8.00	MAT	Gel	21.25	170.00
55.00	MAT	FloSeal	2.70	148.50
230.00	SER	Handling	2.25	517.50
38.00	SER	Ton Miles	25.30	961.40
1.00	SER	Plug To Abandon	1,250.00	1,250.00
38.00	SER	Heavy Vehicle Mileage	7.00	266.00
38.00	SER	Light Vehicle Mileage	4.00	152.00
1.00	EQP	4 1/2 Wooden Plug	92.00	92.00
1.00	CEMENTER	LaRene Wentz		
1.00	OPER ASSIST	Dane Retzloff		
1.00	OPER ASSIST	Billy Turner		

Account	Rate	No.	Amount	Description
ID203			4663.64	PTA # 1-30
3.8082.0001				

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$2257.64

ONLY IF PAID ON OR BEFORE
Apr 28, 2012

Subtotal	6,450.40
Sales Tax	470.88
Total Invoice Amount	6,921.28
Payment/Credit Applied	
TOTAL	6,921.28

Deduct (2257.64)
Be 4663.64

ALLIED CEMENTING CO., LLC. 034615

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT:
Osage, Ks

DATE <u>4-3-12</u>	SEC. <u>30</u>	TWP. <u>5</u>	RANGE <u>30</u>	CALLED OUT	ON LOCATION <u>11:30am</u>	JOB START <u>4:00pm</u>	JOB FINISH <u>2:00pm</u>
LEASE <u>Teartle Creek</u>	WELL# <u>1-30</u>	LOCATION <u>Rexford 7N, 18W,</u>			COUNTY <u>Deer</u>	STATE <u>KS</u>	
OLD OR NEW (Circle one)		<u>1 1/4 N, E into</u>					

CONTRACTOR Merfin #8

TYPE OF JOB PTA

HOLE SIZE 7 1/2 T.D. 4360

CASING SIZE _____ DEPTH _____

TUBING SIZE _____ DEPTH _____

DRILL PIPE 4 1/2 DEPTH 2660'

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

DISPLACEMENT 34-27661

OWNER Same

CEMENT AMOUNT ORDERED 220 sks @ 40 48 gal
Ver # Flo-seal

COMMON	<u>132 sks @ 16.25</u>	<u>2145.00</u>
POZMIX	<u>88 sks @ 8.50</u>	<u>748.00</u>
GEL	<u>8 sks @ 21.25</u>	<u>170.00</u>
CHLORIDE	@	
ASC	@	
<u>Flo-seal 55#</u>	@	<u>198.50</u>
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING <u>230 sks</u>	@ <u>2.25</u>	<u>517.50</u>
MILEAGE <u>114 1/2 mile</u>		<u>96.40</u>
TOTAL		<u>4690.40</u>

EQUIPMENT

PUMP TRUCK CEMENTER Lakene

431 HELPER Dave

BULK TRUCK DRIVER Billy

404 DRIVER

REMARKS:

Mix 25 sks at 2660'

Mix 100 sks at 1868'

Mix 40 sks at 315'

Mix 10 sks top of hole w/ wooden plug

Plug: Mousehole (3 sks)

plug rat hole (30 sks)

Thank you

CHARGE TO: Merfin Drilling Co

STREET _____

CITY _____ STATE _____ ZIP _____

SERVICE

DEPTH OF JOB	<u>2660'</u>	
PUMP TRUCK CHARGE		<u>1250.00</u>
EXTRA FOOTAGE	@	
MILEAGE <u>38</u>	@ <u>7.00</u>	<u>266.00</u>
MANIFOLD	@	
<u>LC, mileage</u>	@ <u>4.00</u>	<u>152.00</u>
	@	
TOTAL		<u>1668.00</u>

PLUG & FLOAT EQUIPMENT

<u>Wooden plug</u>	@	<u>92.00</u>
	@	
	@	
	@	
	@	
TOTAL		<u>92.00</u>

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME _____

SIGNATURE [Signature]

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS